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18. The apparatus of Claim 16 wherein the
light source generates pulses of light.

19. The apparatus of Claim 16 wherein the
5 light source generates pulses of polychromatic light.

20. The apparatus of Claim 16 wherein at least
a portion of the sealed contact lens container is
transmissive to light having wavelengths at least between
10 about 180 and about 300 nm.

21. The apparatus of Claim 16 wherein the
light has an intensity of at least about 0.01 J/cm².

15 22. The apparatus of Claim 16 wherein at least
about 1% of the light has a wavelength of about 260 nm.

23. A method of deactivating microorganisms
comprising:

20 illuminating a sealed contact lens container
with light, wherein at least a portion of the sealed
contact lens container is transmissive to at least a
portion of the light, the sealed contact lens container
containing a preservative fluid and a contact lens; and
25 deactivating microorganisms on the contact lens
within the sealed contact lens container.

24. The method of Claim 23 further comprising
deactivating microorganisms within the preservative fluid
30 within the sealed contact lens container.

25. The method of Claim 23 wherein the
illuminating step comprises illuminating the sealed
contact lens container with one or more pulses of light.